— Theoretical Computer Science; Natural Language Processing; Computer Systems

— Cellular and Molecular Biology/ Genetics; Genetic Engineering; Biotechnology including applications to Medicine and Agronomy

— Medical Sciences : Epidemiology; Immunology; Virology; Development of new vaccines and new drugs; Bio-medical Engineering (e.g. design of artificial aids)

— Chemistry of natural products with special reference to biologically active compounds; Agro-chemicals

— Catalysis - Science and Engineering;

— Liquid Interface Science

— Materials Science and Engineering; Advanced Ceramics, Composites; Polymers

— Rare Earths

— Astro-Physics and Radio Astronomy

— Geophysics; Geosphere-Biosphere

— Remote Sensing

— Water Resources

— Semi - Conductor Physics; Opto-electronics; Micro-electronics

— Separation Science and Technology.

(c) Two projects have been successfully completed, viz;

— Numerical modelling of the Ocean-atmosphere system with special reference to monsoons.

— Segregation and surface properties of Pt-based alloys : experimental and theoretical approach.

Funds allotted to the Intitute of Advanced Research in Science and Technology in Assam

1789. SHRI BHADRESWAR GOHAIN: Will the PRIME MINISTER be pleased to state :

(a) what is the present position of the proposed Institute of Advance Research in Science and Technology in Assam under the Assam Accord;

(b) whether any fund has been allocated by Government to the Institute for the current year;

(c) whether the Institute would be established under the Central Government; and

(d) if not so, the reasons therefor ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE & TECHNOLOGY, DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM) : (a) to (d) An Inter-Ministerial meeting was held on 4-11-1991 involving verious scientific agencies of the Centre, representatives of Planning Commission, Home Ministry as well as Government of Assam. It was decided that the Science and Technology activities in Assam are to be enhanced through the existing Institute for Advanced Study in Science and Technology, and for this the resources required should be projected by the Assam Government appropriately in their eighth Five Year Plan, for consideration by the Planning Commission.

Assam Government is expected to take necessary follow up action in consultation with the Planning Commission on the decision taken in the Inter-Ministerial meeting.

Women Engineers in the Country

1790. SHRI SHANTI TYAGI : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that the number of women engineers has gone up tenfolds during the last 15 years;

(b) if so, the number of women engineers in the country in the beginning of the year 1992;

(c) whether a large number of women engineers remain unemployed and male engineers are given perference over women engineers by the employers; and

(d) if so, the reasons therefor and the steps Government propose to take to end this discrimination ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE & TECHNOLOGY, DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM) : (a) Based on the estimates prepared in the National Technical Manpower Information System (NTMIS), being funded by Ministry of Human Resource Development & being implemented by Institute of Applied Manpower Research (IAMR), the number of women engineers has risen approximately 8.5 times during the past 15 years.

(b) The number of women engineers in the country at the beginning of the year 1992 has been estimated at about 90,500 by the National Technical Manpower Information System, Institute of Applied Manpower Research.

(c) and (d) No discrimination is being made on the basis of sex for employing engineers.

विज्ञान और प्रौद्योगिक मंत्रालय के लिए किए गए बजट आवंटन में कमी किया जाना :

1791. श्री विश्वास राव रामराव पाटिल: क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या यह सच है कि विज्ञान और प्रौद्योगिकी मंत्रालय के लिए किए गए बजट आवंटन को कम किया जा रहा है,

(ख) यदि हां, तो उसके क्या कारण हैं,

(ग) क्या यह सच है कि इसका अनुसंधान और विकास कार्यकलापों पर प्रतिकूल प्रभाव पड़ेगा,

(घ) यदि हां, तो क्या सरकार अनुसंधान और विकास कार्य में तेजी लाने के लिए कोई प्रावधान करने जा रही है,

(ङ) यदि हां, तो तत्संबंधी ब्यौरा क्या है, और

(च) यदि नहीं, तो उसके क्या कारण हैं ?

विज्ञान और प्रौद्योगिक मंत्रालय इलेक्ट्रानिकी विभाग और महासागर विकास विभाग में राज्य मंत्री और संसदीय कार्य मंत्रालय में राज्य मंत्री :
(श्री रंगराजन कुमार मंगलम)

(क) जी नहीं ।

(ख) से (च) प्रश्न नहीं उठते ।

भौतिक, रसायन विज्ञान और जीव-विज्ञान के क्षेत्र में वैज्ञानिक और औद्योगिक अनुसंधान परिषद् द्वारा किए गए अनुसंधान का योगदान :

1792. चौधरी हरि सिंह :

क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) वैज्ञानिक और औद्योगिक अनुसंधान परिषद के अधीन चल रही अनुसंधान प्रयोगशालाओं और केन्द्रों तथा उनमें कार्यरत वैज्ञानिकों और अन्य कर्मचारियों का ब्यौरा क्या है ;

(ख) वैज्ञानिक और औद्योगिक अनुसंधान परिषद द्वारा उन पर व्यय की गई कुल धनराशि और उसकी अपनी परिसम्पत्तियों पर किया गया कुल निवेश कितना है;

(ग) उन उद्योगों और उनके उत्पादों का ब्यौरा क्या है जहां अभी तक वैज्ञानिक और औद्योगिक अनुसंधान परिषद् की भौतिकी, रसायन विज्ञान, जीव विज्ञान, इंजीनियरी, औषधि, सूचना विज्ञान आदि क्षेत्रों की उपलब्धियों का उपयोग किया गया है;

(घ) अब तक प्रकाशित शोध-पत्रों का ब्यौरा क्या है और इनमें से कितने शोध-